

**Listing of Claims:**

1. (Currently Amended) A reformer comprising:  
a micro reactor ~~in which~~ comprising a flow path ~~is formed~~  
for a fluid; ~~to flow inside;~~ and  
a container which accommodates the micro reactor and keeps  
5 an atmosphere on a periphery of the micro reactor at a pressure  
~~lower than external pressure~~ of not more than 1 Pa.

2. (Currently Amended) The reformer according to claim 1,  
further comprising:  
adsorption means for adsorbing a medium which ~~exists~~ is  
present inside the container and which propagates heat.

Claim 3 (Canceled).

4. (Original) The reformer according to claim 1, further  
comprising:  
heating means for generating heat to heat the micro reactor.

5. (Currently Amended) The reformer according to claim 1,  
wherein the reformer ~~which~~ is manufactured by accommodating the  
micro reactor in the container under a heated atmosphere.

6. (Currently Amended) The reformer according to claim 1, further comprising:

heating means for heating the micro reactor for ~~reacting a~~  
reaction in the micro reactor and for heating an atmosphere in  
5 the container for exhausting the atmosphere when the micro  
reactor is accommodated in the container.

7. (Currently Amended) The reformer according to claim 5,  
wherein a temperature ~~of the heated atmosphere when the micro~~  
~~reactor is accommodated in the container~~ to which the atmosphere  
is heated is higher than a temperature at which the fluid ~~causes~~  
undergoes a reaction in the micro reactor.

8. (Original) The reformer according to claim 1, wherein  
the micro reactor comprises a reactor which changes the fluid  
from a liquid phase to a gas phase.

9. (Original) The reformer according to claim 1, wherein  
the micro reactor comprises a reforming reactor which produces  
hydrogen from the fluid.

10. (Original) The reformer according to claim 1, wherein  
the micro reactor comprises a reforming reactor which reforms  
carbon monoxide in the fluid into carbon dioxide.

11. (Currently Amended) The reformer according to claim 1, further comprising [[:]] temperature measurement means for measuring ~~the~~ a temperature of the micro reactor.

Claims 12-22 (Canceled)

23. (Currently Amended) A reformer comprising:  
a micro reactor ~~in which~~ comprising a flow path ~~is formed~~  
for a fluid; ~~to flow inside;~~  
a container which accommodates the micro reactor and keeps  
an atmosphere on a periphery of the micro reactor at a pressure  
~~lower than external pressure~~ of not more than 1 Pa; and  
adsorption means for adsorbing a medium which ~~exists~~ is  
present inside the container and which propagates heat.

24. (Original) The reformer according to claim 23, wherein  
the adsorption means comprises a polyimide-based material.

25. (Original) The reformer according to claim 23, wherein  
the adsorption means comprises a porous film.

26. (Currently Amended) The reformer according to claim 23,  
wherein the adsorption means ~~has~~ comprises a surface coated with  
a material which physically adsorbs water or oxygen.

27. (Currently Amended) The reformer according to claim 23, wherein the adsorption means ~~has~~ comprises a surface coated with a material which chemically adsorbs water or oxygen.

Claims 28-31 (Canceled)